

This Page Is Inserted by IFW Operations
and is not a part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

IMAGES ARE BEST AVAILABLE COPY.

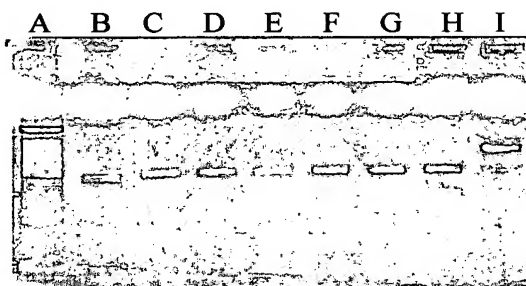
**As rescanning documents *will not* correct images,
please do not report the images to the
Image Problem Mailbox.**



FIG. 1

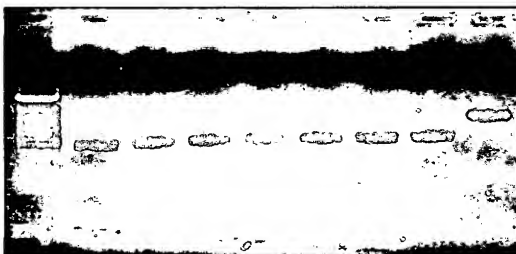
Template mRNA

- A. 100 bp ladder
- B. Colon
- C. Ovary
- D. Prostate
- E. Spleen
- F. Testis
- G. Thymus
- H. NHMC
- I. Control



Negative Image

- A. 100 bp ladder
- B. Colon
- C. Ovary
- D. Prostate
- E. Spleen
- F. Testis
- G. Thymus
- H. NHMC
- I. Control



Positive Image

FIG. 1 A

1	2	3	4	5	6	7	8	9	10	11	12
whole brain	cerebellum, left	substantia nigra	heart	esophagus	colon, transverse	kidney	lung	liver	leukemia, HL-60	fetal brain	yeast total RNA
cerebral cortex	cerebellum, right	accumbens nucleus	aorta	stomach	colon, descending	skeletal muscle	placenta	pancreas	HeLa S3	fetal heart	yeast tRNA
frontal lobe	corpus callosum	thalamus	atrium, left	duodenum	rectum	spleen	bladder	adrenal gland	leukemia, K-562	fetal kidney	<i>E. coli</i> rRNA
parietal lobe	amygdala	pituitary gland	atrium, right	jejunum		thymus	uterus	thyroid gland	leukemia, MOLT-4	fetal liver	<i>E. coli</i> DNA
occipital lobe	caudate nucleus	spinal cord	ventricle, left	ileum		peripheral blood leukocyte	prostate	salivary gland	Burkitt's lymphoma, Raji	fetal spleen	Poly (A)
temporal lobe	hippocampus		ventricle, right	ileocecum		lymph node	testis	mammary gland	Burkitt's lymphoma, Daudi	fetal thymus	human Cgt -1 DNA
p. g.* of cerebral cortex	medulla oblongata		inter-ventricular septum	appendix		bone marrow	ovary		colorectal adenocarcinoma, SW480	fetal lung	human DNA 100 ng
pons	putamen		apex of the heart	colon, ascending		trachea			lung carcinoma, A549		human DNA 500 ng

* paracentral gyrus

Purchaser

is intended to be used for research purposes only. It is not to be used for drug or diagnostic purposes nor is it intended for products may not be resold, modified for resale, or used to manufacture commercial products without written approval of CLONTECH Laboratories, Inc.

INTERNET: www.clontech.com

CLONTECH Labor



Inventor: Paul R. Ervin Jr.
Docket No.: 04273.0003USW1
Title: EPITHELIAL CELL GROWTH INHIBITORS
Serial No.: 10/028,952
Sheet 3 of 10

FIG. 1 B

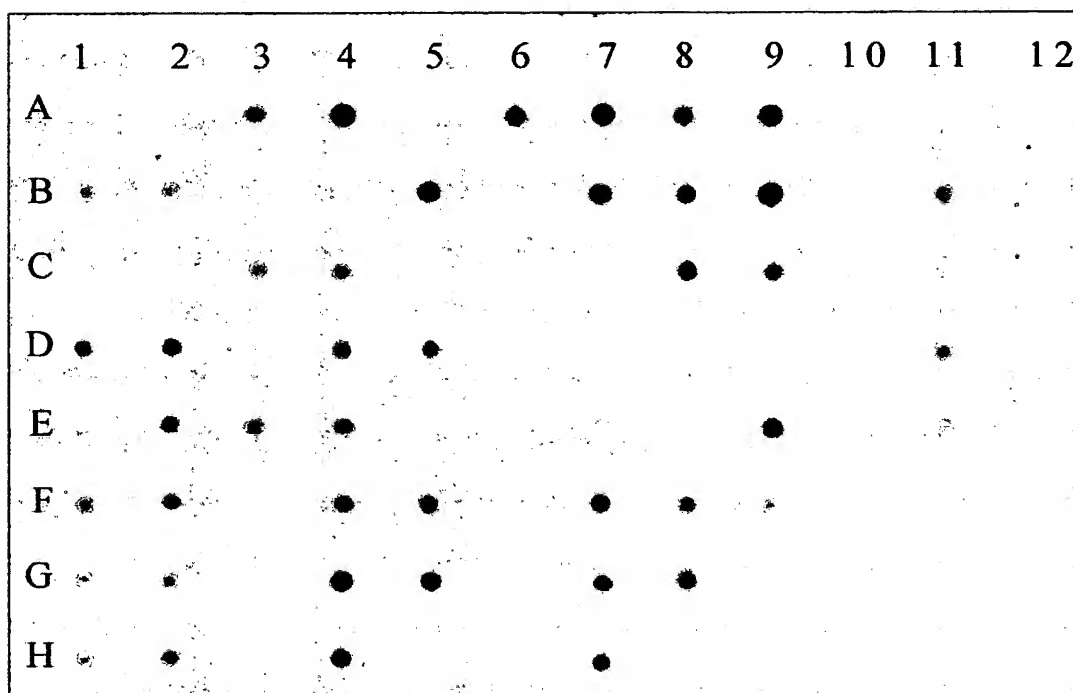


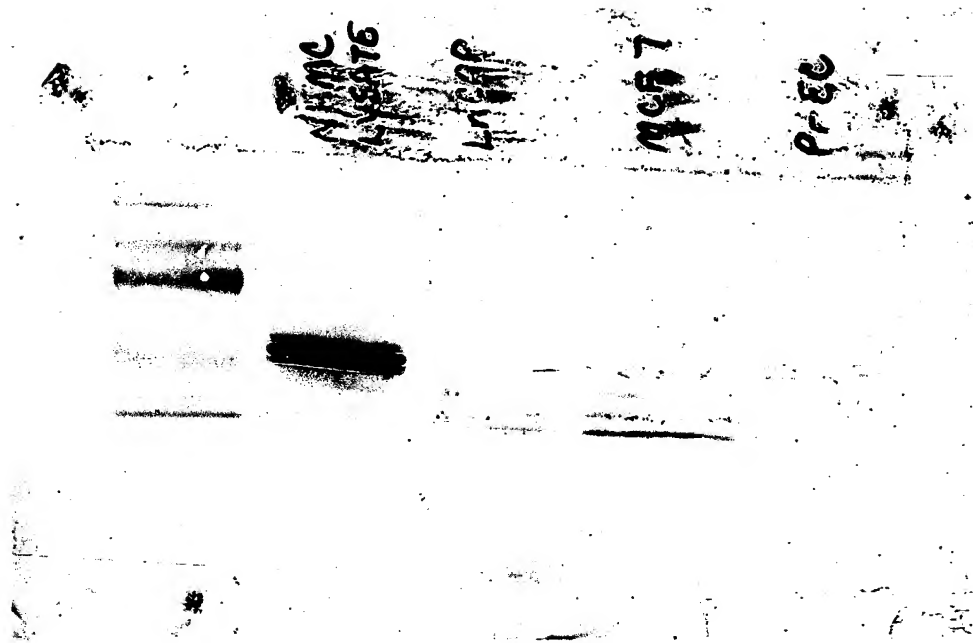


FIG. 2

Volume Mammastatin Conditioned Media	Mammastatin Control <u>Patient Serum</u> Prostate Samples	Volume Serum and Prostate Conditioned Media
500 µl		500 µl
250 µl		250 µl
125 µl		Breast Cancer 125 µl Patient Serum
75 µl		75 µl
50 µl		Prostate Media
25 µl		500 µl Normal
10 µl		500 µl Cancer
0 µl		



FIG. 3





Inventor: Paul R. Ervin Jr.
Docket No.: 04273.0003USW1
Title: EPITHELIAL CELL GROWTH INHIBITORS
Serial No.: 10/028,952
Sheet 6 of 10

FIG. 4

A B C D

67 —

45 —



Inventor: Paul R. Ervin Jr.
Docket No.: 04273.0003USW1
Title: EPITHELIAL CELL GROWTH INHIBITORS
Serial No.: 10/028,952
Sheet 7 of 10

FIG. 5

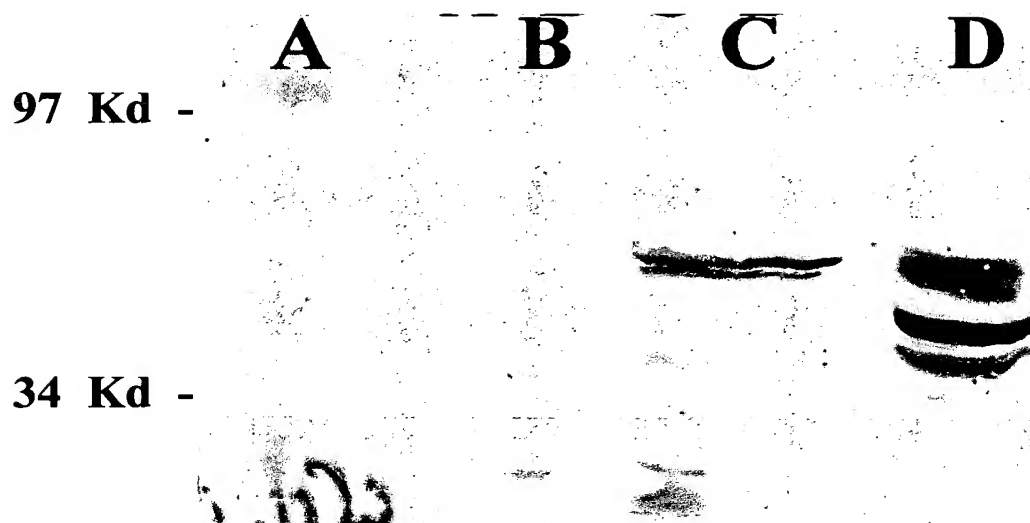




FIG. 6

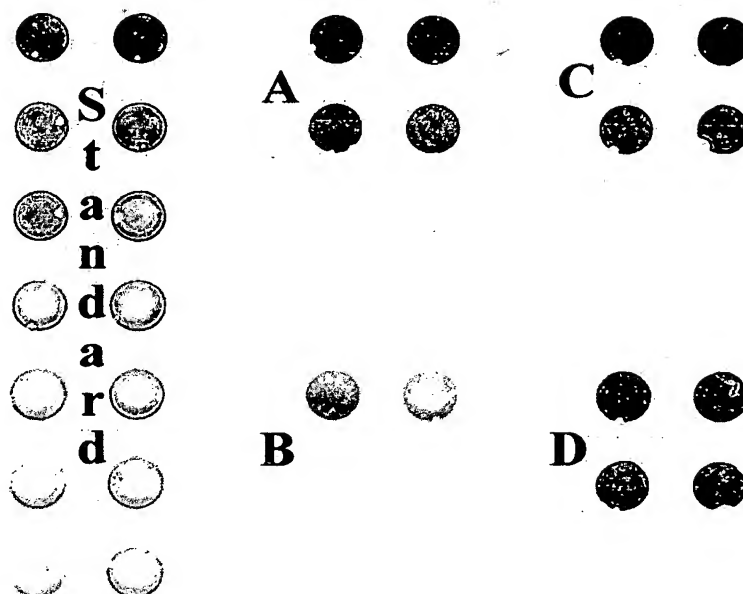

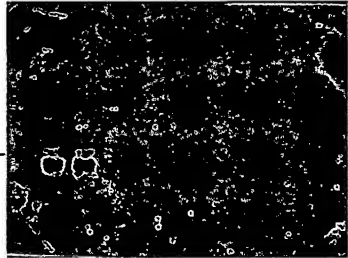
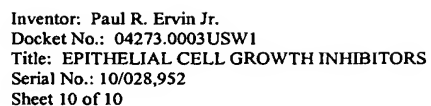




FIG. 7

DNA Lane	Gel (Positive)	1 2 3 4 5 6 7 8	
			Ethidium Bromide stain of plasmid DNA digested with ECO R1 and Xho1, separated on 1% agarose: 1) Molecular weight ladder, 2) Clone ccp2U-1, 3) Clone ccp2U-2, 4) Clone ccp2U-3, 5) Clone ccp2U-4, 6) Clone ccp2U-5, 7) Clone ccp2U-6, 8) Clone ccp2U-7.
Nitrocellulose Membrane		1 2 3 4 5 6 7 8 9 10	
Putative Prostastatin			Southern Blot of plasmid DNA digested with ECO R1 and Xho1, separated on 1% agarose transferred to nitrocellulose and hybridized to digoxin labeled 2U PCR product: 1) Molecular weight ladder, 2) Clone ccp2U-1, 3) Clone ccp2U-2, 4) Clone ccp2U-3, 5) Clone ccp2U-4, 6) Clone ccp2U-5, 7) Clone ccp2U-6, 8) Clone ccp2U-7, 9) Clone ccp2U-8, 10) Clone ccp2U-9



Mammastatin and Related Gene Structure

